Remote Controlled Naval Weapon Station

Lethal firepower for naval platforms

The lightweight, dual-axis 12.7mm caliber weapon station is compatible with a wide variety of naval platforms including patrol vessels, frigates and missile boats. The system provides firepower of different types and origins including multi-type machine guns and automatic grenade launchers, and offers highly accurate tracking for moving targets. The weapon system enables effective combat engagement while the operator remains safe below the deck, enhancing lethality and survivability.

Elbit Systems™
Land and C4I

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All-in-one weapon station – A flexible weapons pedestal enables use of a range of firepower, including a 12.7mm heavy machine gun, a 7.62mm machine gun or a 40mm automatic grenade launcher. Operation is simple and intuitive, using a general purpose display with soft key-based operating workstations for the gunner and commander.

Fully stabilized system – Line-of-sight (LOS) and line-of-fire (LOF) weapon stabilization enables engaging, aiming and firing on moving targets, while stationary or on-the-move. Ballistics are automatically computed and inserted into LOF calculation, with no influence on crosshair position.

Fully modular optics – The weapon station includes a suite of modular optical sensors, including a day camera, thermal camera and laser rangefinder. Equipment installations can easily be tailored to fit customer requests.

Key Benefits

- Minimal operator risk exposure
- Multiple modes of operation
  - Fully stabilized dual axis mode
  - Degraded mode-power
  - Manual-backup
- Intuitive operation - Fully field proven and in serial production

Key Features

- Enables multiple types of weapons
- System stabilization
- Enslavement capability to an external electro-optic POD
- Advanced ballistics
- Automatic target tracking
- Built-in test for detection and localization of malfunctions

Technical Specifications

Stabilization	LOS stabilization < 0.2 mrad 1σ
Thermal Camera	FOV: 2° Narrow ; 8° Wide Recognition (NFOV): 4500m
Day Camera	Color CCD FOV: 1.6° to 42°, Recognition (NFOV): 3500m
Laser Rangefinder	Fully eye Safe 1.54 µm Range: 75-10000m
Operation Range	360 Traverse including inhibit firing -20 to +60 Elevation
Movement Velocity	1 rad/sec TRV & ELV

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